

# Adiponectin Recombinant Rabbit Monoclonal Antibody (11H4L4)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Monoclonal
Type	Antibody
Clone	11H4L4
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 57-244 of human adiponectin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532410

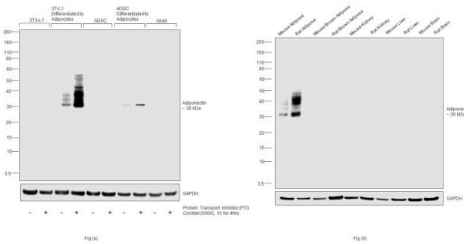
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunocytochemistry (ICC/IF)	1-3 µg/mL	-

## Product Specific Information

Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For Adiponectin Recombinant Rabbit Monoclonal Antibody (11H4L4)

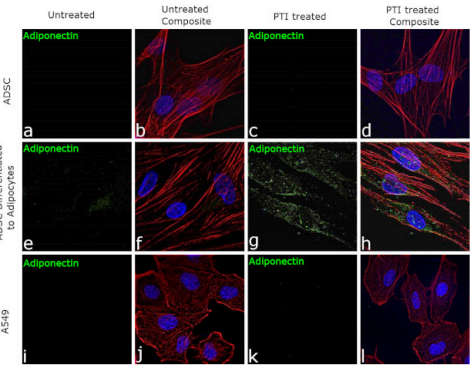
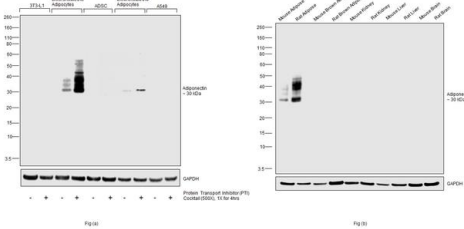


Adiponectin Antibody (701148)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and Tissues tested owing to their inherent genetic constitution. Relative expression of Adiponectin was observed to be high in Adipocyte differentiated cells, which showed enhanced expression with PTI treatment in comparison to no expression in A549 treated with PTI as seen in Fig (a). Relative expression of Adiponectin was observed to be high in Mouse Adipose and Rat Adipose in comparison to other tissues which show no expression using Anti-Adiponectin Recombinant Rabbit Monoclonal Antibody (11H4L4) (Product # 701148) in Western Blot. {RE}

Adiponectin Antibody (701148) in WB

Western blot was performed using Anti-Adiponectin Recombinant Rabbit Monoclonal Antibody (Product # 701148) and a 30 kDa band corresponding to Adiponectin was observed. Whole cell extracts (30 µg lysate) of (Fig. a) 3T3-L1 (Lane 1), 3T3-L1 treated with PTI (1X, 4hrs) (Lane 2), 3T3-L1 differentiated to Adipocytes (Lane 3), 3T3-L1 differentiated to Adipocytes further treated with PTI (1X, 4hrs) (Lane 4), ADSC (Lane 5), ADSC treated with PTI (1X, 4hrs) (Lane 6), ADSC differentiated to Adipocytes (Lane 7), ADSC differentiated to Adipocytes further treated with PTI (1X, 4hrs) (Lane 8), A549 (Lane 9), A549 treated with PTI (1X, 4hrs) (Lane 10); (Fig. b) Mouse Adipose (Lane 1), Rat Adipose (Lane 2), Mouse Brown Adipose (Lane 3), Rat Brown Adipose (Lane 4), Mouse Kidney (Lane 5), Rat Kidney (Lane 6), Mouse Liver (Lane 7), Rat Liver (Lane 8), Mouse Brain (Lane 9) Rat Brain (Lane 10) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20000 dilution). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



Adiponectin Antibody (701148)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-Adiponectin Recombinant Rabbit Monoclonal Antibody (11H4L4) (Product # 701148) was observed to be high in Adipocyte differentiated ADSC treated with PTI in comparison to no expression in A549 cells treated with PTI . {RE}

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Western Blot (1)

iScience	Year 2022
Role of PVAT in obesity-related cardiovascular disease through the buffering activity of ATF3.	Species Mouse
"701148 was used in Western Blotting to suggest that PVAT, not BAT, modulates obesity-related vascular dysfunction."	Dilution 1:2000
Authors: Li HF,Liu HT,Chen PY,Lin H,Tseng TL	

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